

TALKEETNA AIRPORT



2004 Alaska Airport Pavement Condition Report

Scott Gartin, P.E.
State Pavement Engineer
Statewide Materials Section, Alaska DOT&PF
5800 E. Tudor Road
Phone: (907) 269-6244 Fax: (907) 269-6231

Email: scott gartin@dot.state.ak.us

Maps and report compiled by
H. June Finkbiner
Central Region Materials, Alaska DOT&PF

TALKEETNA AIRPORT - 2004

Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings (if available) and other useful information
- A Pavement Condition Survey PCI Sample Unit Layout Plan
- PCI maps showing as-measured and predicted pavement conditions
- Age map showing pavement age as of January 2004
- A Branch PCI Condition Report
- A Section PCI Condition Report

Airport Information:

• Location:

The Talkeetna Airport is located approximately 1 mile east of the Talkeetna, Alaska in South Central Alaska. The airport is approximately 115 air miles north of Anchorage.

• District: Mat-Su, South Central

Airport Manager: Steve Hanson
 District Maintenance Manager: Kurt Devon

Pavement Surface:

There are over 690,000 square feet of asphalt concrete paved surfaces at the Talkeetna Airport.

Last Pavement Construction: 1988

• Pavement layout:

The airport consists of Runway 18-36, four Taxiways, and an Apron. Taxiways A, B, and D were constructed and paved in 1996. At that time, Taxiway A was made into a full-length parallel taxiway. The rest of the airport paving was constructed in 1988.

• Design Aircraft:

• 2003 Enplanements: 21 – down from 93 in 2002.

• Airport Class: Non-Primary

• Last pavement condition survey: 2004

conducted by Angela Parsons and Roy Stover of Central Region Materials

• Next planned pavement condition survey: 2007

• 2004 reported pavement maintenance and/or changed conditions:

Crack sealed, edge repairs need on runway and an area approximately 50' x 75' is settled on the west end of the Ramp.

• Recommendations: See PCI maps

Date: 12 /15/2004

Branch Condition Report

1 of 2

Pavement Database: NetworkID: Talkeetna

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI		
100 (Taxiway A)	4	3540.50	57.50	132841.50	TAXIWAY	69.00	11.55	77.83		
200 (Taxiway B)	1	185.00	35.00	8750.00	TAXIWAY	73.00	0.00	73.00		
300 (Taxiway C)	1	286.50	40.00	32000.00	TAXIWAY	63.00	0.00	63.00		
400 (Taxiway D)	1	185.00	35.00	8750.00	TAXIWAY	62.00	0.00	62.00		
4100 (WEST APRON)	2	2485.00	127.50	235810.00	APRON	63.50	3.50	63.04		
6100 (Runway 18-36)	1	3500.00	75.00	262500.01	RUNWAY	58.00	0.00	58.00		

2 of 2

Date: 12 /15/2004

Branch Condition Report

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	2	235810.00	63.50	3.50	63.04
RUNWAY	1	262500.01	58.00	0.00	58.00
TAXIWAY	7	182341.50	67.71	9.44	74.24
All	10	680651.51	65.90	8.63	64.10

Date: 12 /15/2004

Section Condition Report

Pavement Database: N

NetworkID: Talkeetna

Last Age Section ID **Branch ID** Last Surface Use Rank Lanes **True Area** PCI Αt Inspection Const. (SqFt) Date Inspection Date Ρ 100 (Taxiway A) 100-01 07/01/1988 AC **TAXIWAY** 6537.00 06/09/2004 16 53.00 1 08/15/1997 **TAXIWAY** Ρ 7 100 (Taxiway A) 100-02 AC 1 50737.50 06/09/2004 80.00 100 (Taxiway A) 100-03 08/15/1997 AC **TAXIWAY** Ρ 1 69030.00 06/09/2004 7 80.00 100 (Taxiway A) 07/01/1988 AC **TAXIWAY** Ρ 6537.00 06/09/2004 100-04 1 16 63.00 **TAXIWAY** 200 (Taxiway B) 200-01 08/15/1997 ACS 1 8750.00 06/09/2004 7 73.00 **TAXIWAY** Ρ 2 32000.00 06/09/2004 300 (Taxiway C) 300-01 07/01/1988 AC16 63.00 400 (Taxiway D) 400-01 08/15/1997 AC **TAXIWAY** S 1 8750.00 06/09/2004 7 62.00 4100 (WEST APRON) 4100-01 07/01/1988 AC **APRON** Ρ 102410.00 06/09/2004 16 67.00 4100 (WEST APRON) 4100-02 07/01/1988 AC **APRON** S 0 133400.00 06/09/2004 16 60.00 6100 (Runway 18-36) 6100-01 07/01/1988 AC **RUNWAY** Ρ 0 262500.01 06/09/2004 16 58.00

1 of 2

Date: 12 /15/2004

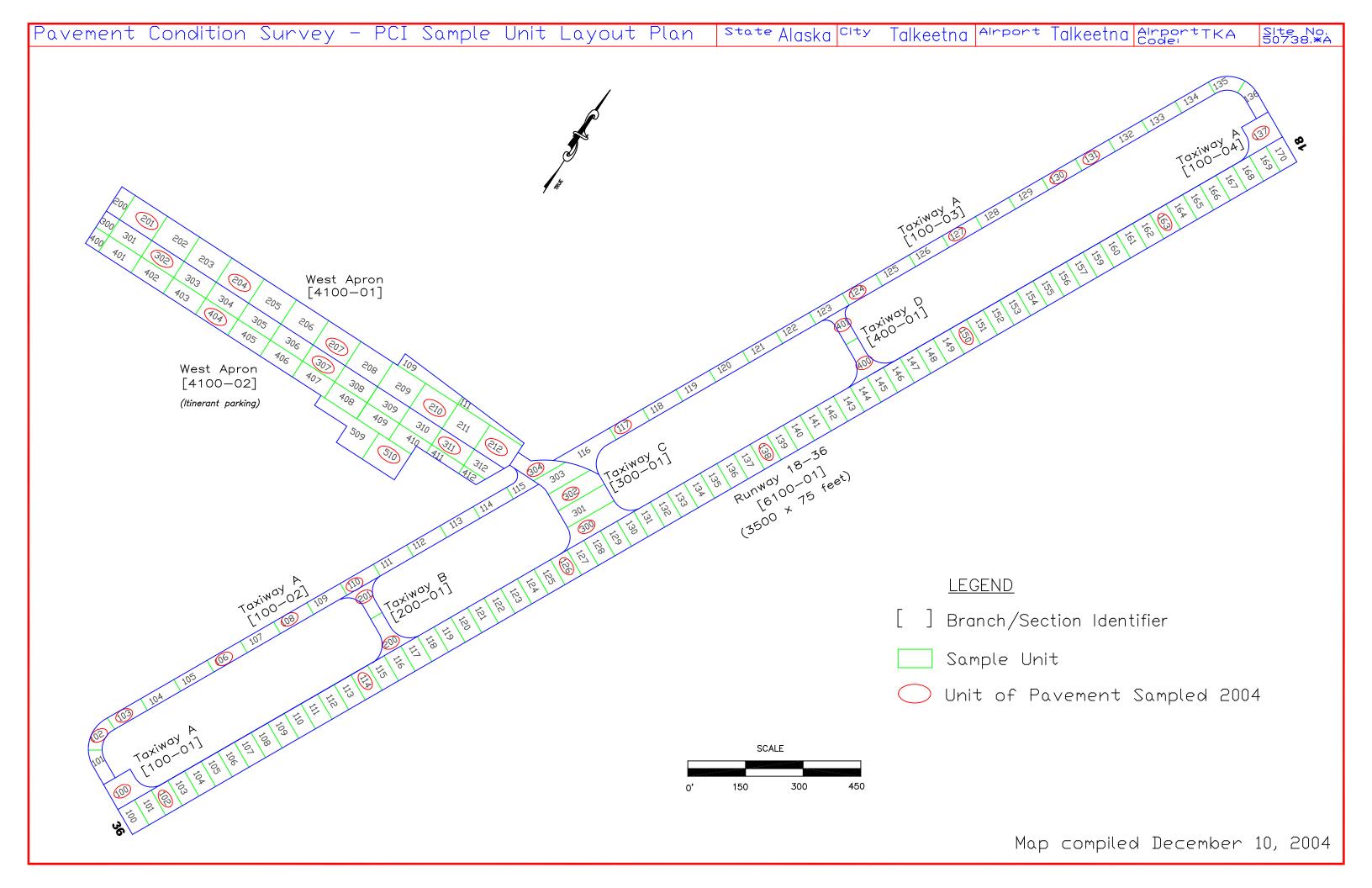
Section Condition Report

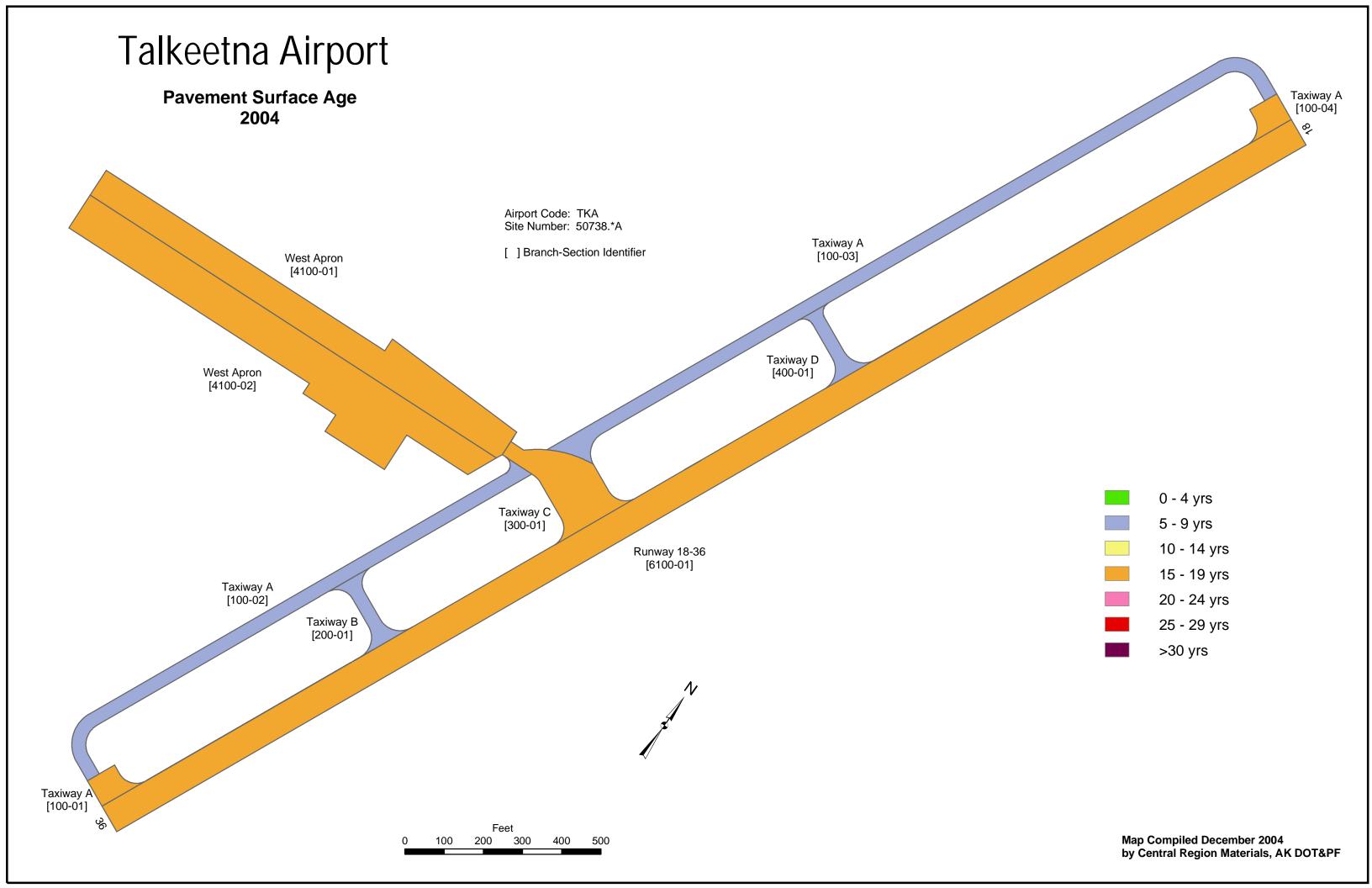
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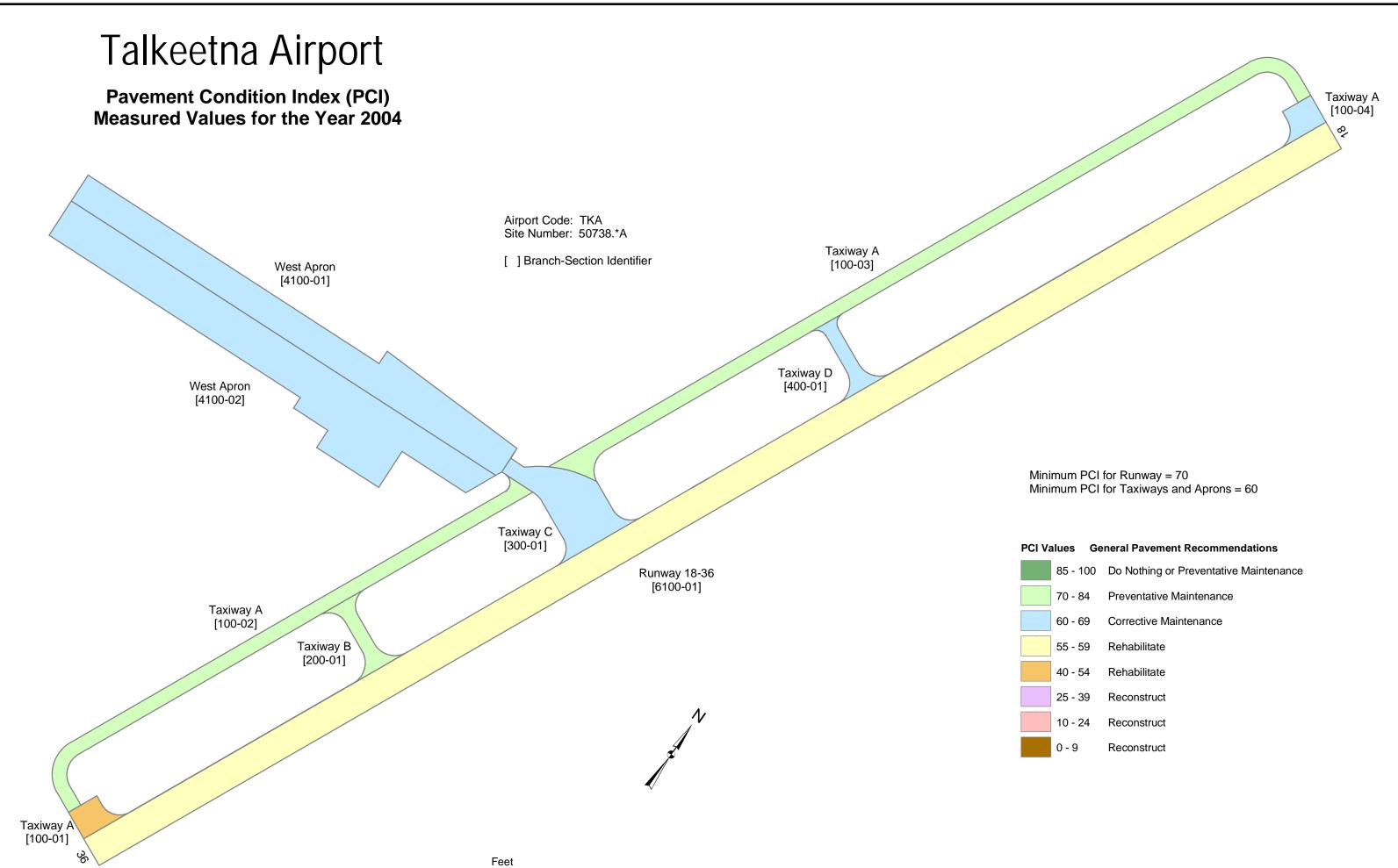
Pavement Database:

Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI	
06-10	7.00	137267.50	4	73.75	7.36	78.41	
16-20	16.00	543384.01	6	60.67	4.42	60.48	
All	12.40	680651.51	10	65.90	8.63	64.10	

		PAVEN	IENT STRE	NGTH SURVEY								
STATE Alas	ska			Talkeetna				This is a variation of FAA Form 5320-1-1				
		CONSTR	UCTION DATE									
IDENT.	NAME	ORIG.	OVERLAY	CONSTRUCTION AGENCY	SOURCE OF INFORMATION	Existing Pavement Conditions (PCI) at last inspection RUNWAYS		Subbase Course	Base Course	Surface Course	Overlay	Pavement Strength
6100-01	Runway 18-36	1988		AK DOT&PF		58		36"-54"	6" CABC	2" AC		no data
-												
						TAXIWAYS						
400.01	Taxiway A South	4000		AK DOTABE		50			011 0 4 5 0	0114.0		
100-01	Stub Section 1 Taxiway A South	1988		AK DOT&PF		53			6" CABC	2"AC		
100-02	Section 2	1997		AK DOT&PF		80			6" CABC	2"AC		
400.00	Taxiway A North	4000		ALC DOTABE					011 0 4 10 0	0114.0		
100-03	Section 3 Taxiway A North	1988		AK DOT&PF		80			6" CABC	2"AC		
100-04	Stub Section 4	1997		AK DOT&PF		63			6" CABC	2"AC		
200-01	Taxiway B	1997		AK DOT&PF		73			6" CABC	2"AC		
300-01 400-01	Taxiway C Taxiway D	1988 1997		AK DOT&PF AK DOT&PF		63 62			6" CABC 6" CABC	2"AC 2"AC		
						<u> </u>						
						APRONS						
	West apron -									İ		
4100-01	Section 1	1988		AK DOT&PF		67			4" CABC	2" AC		
4100-02	West Apron (Itinerant Parking)	1988		AK DOT&PF		60			4" CABC	2" AC		
	, , , , , , , , , , , , , , , , , , , ,			2.2								
								1		1		
										-		
							1					
REMARKS:												
This airport se	erves single and twin	general avi	ation aircraft							1		
										1		
Date of Site Ir	nspection:	6/9/2004		Evaluated By:	S. Gartin	12/1/2004						PAGE 1 of 1



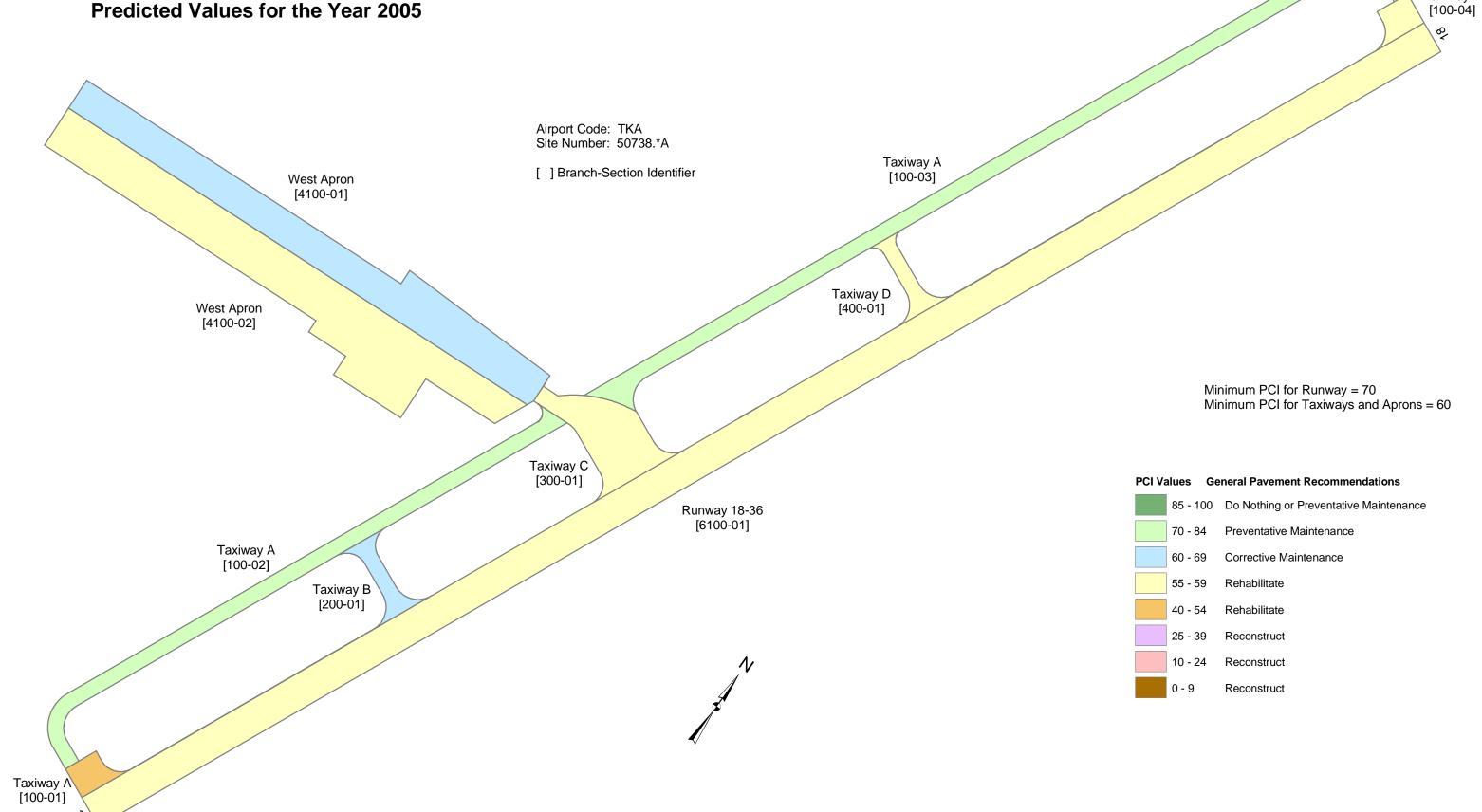




200

300

Pavement Condition Index (PCI)
Predicted Values for the Year 2005



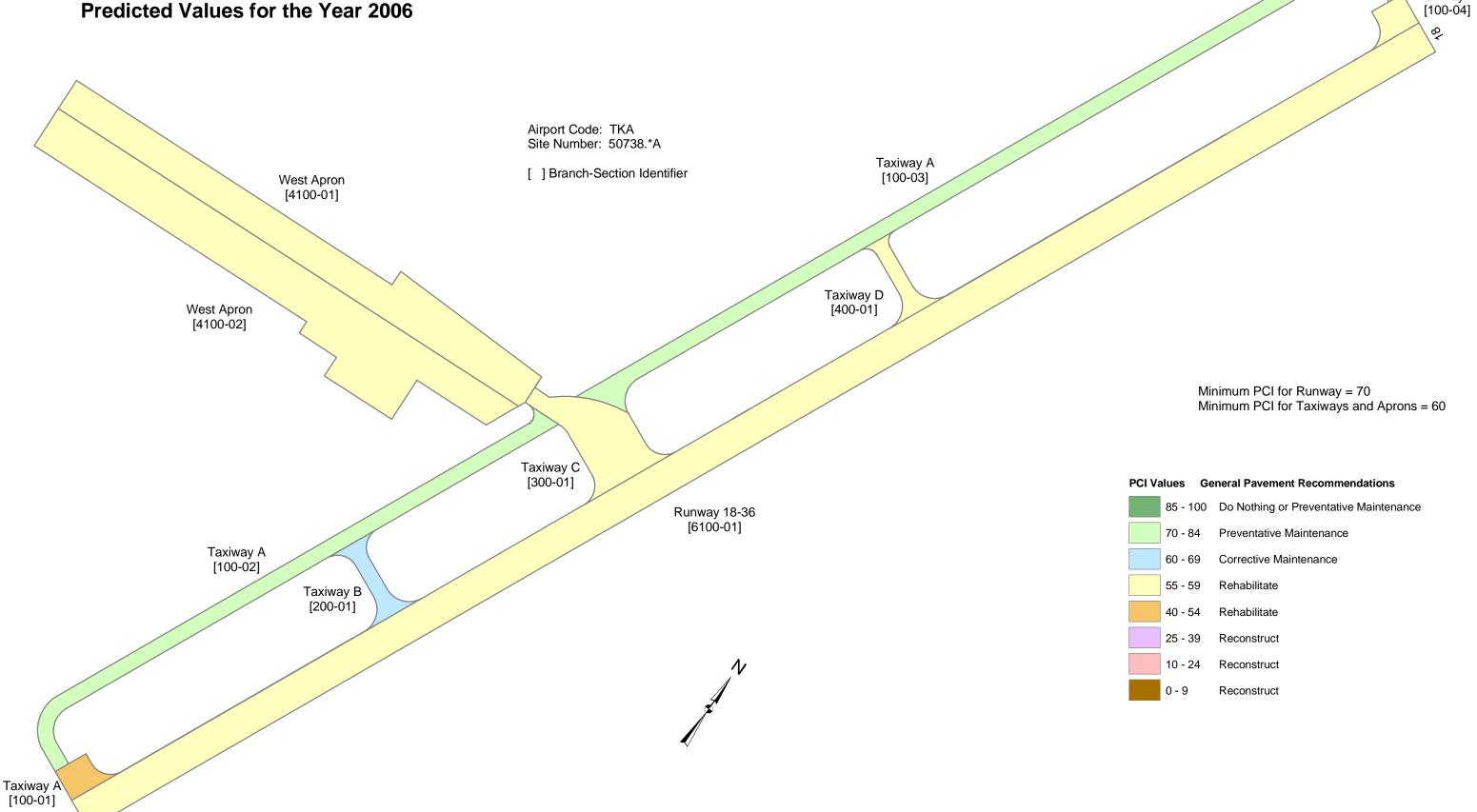
Feet

200

Taxiway A

Map Compiled December 2004

Pavement Condition Index (PCI)
Predicted Values for the Year 2006



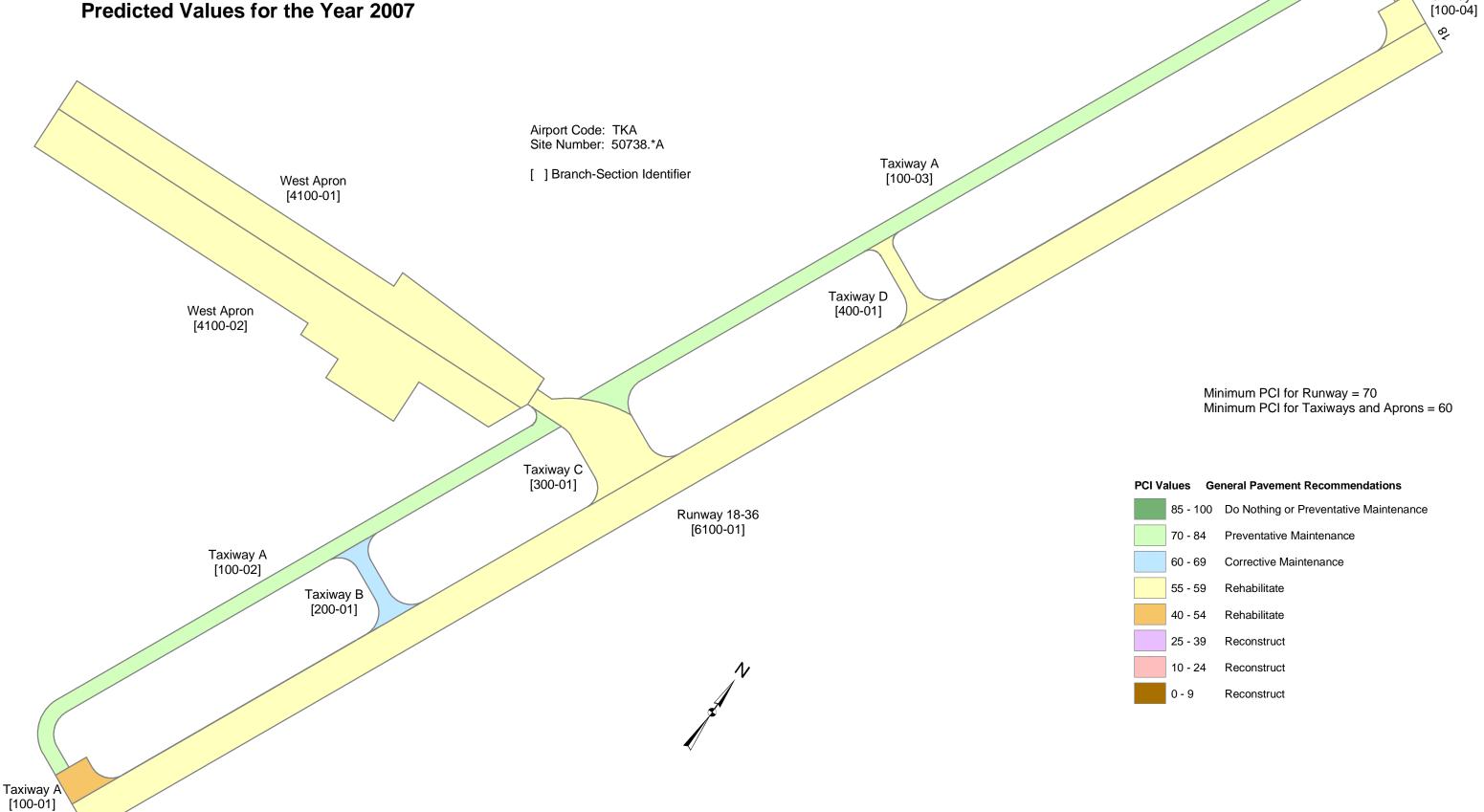
Feet

200

Taxiway A

Map Compiled December 2004

Pavement Condition Index (PCI)
Predicted Values for the Year 2007



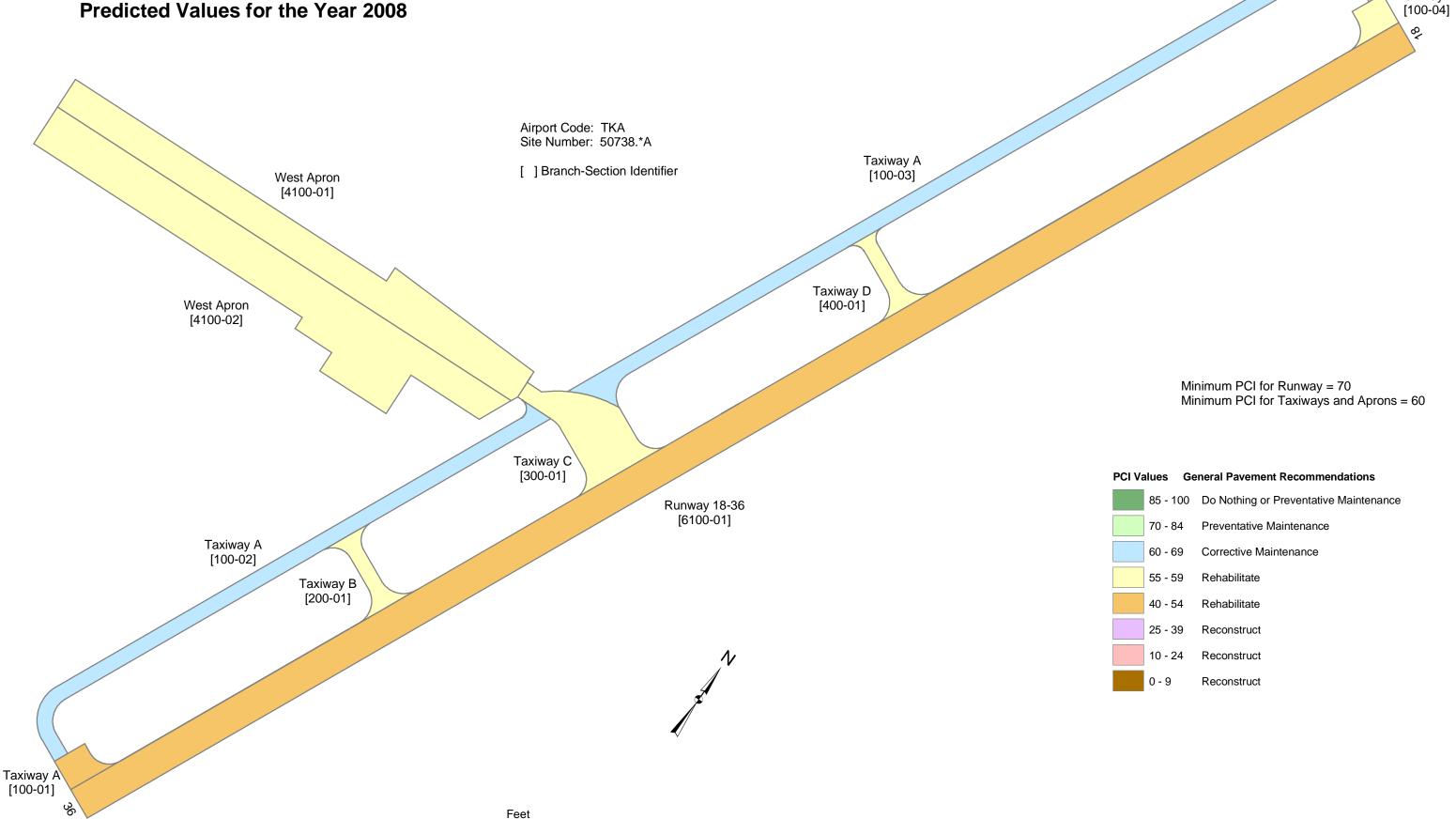
Feet

200

Taxiway A

Map Compiled December 2004

Pavement Condition Index (PCI)
Predicted Values for the Year 2008

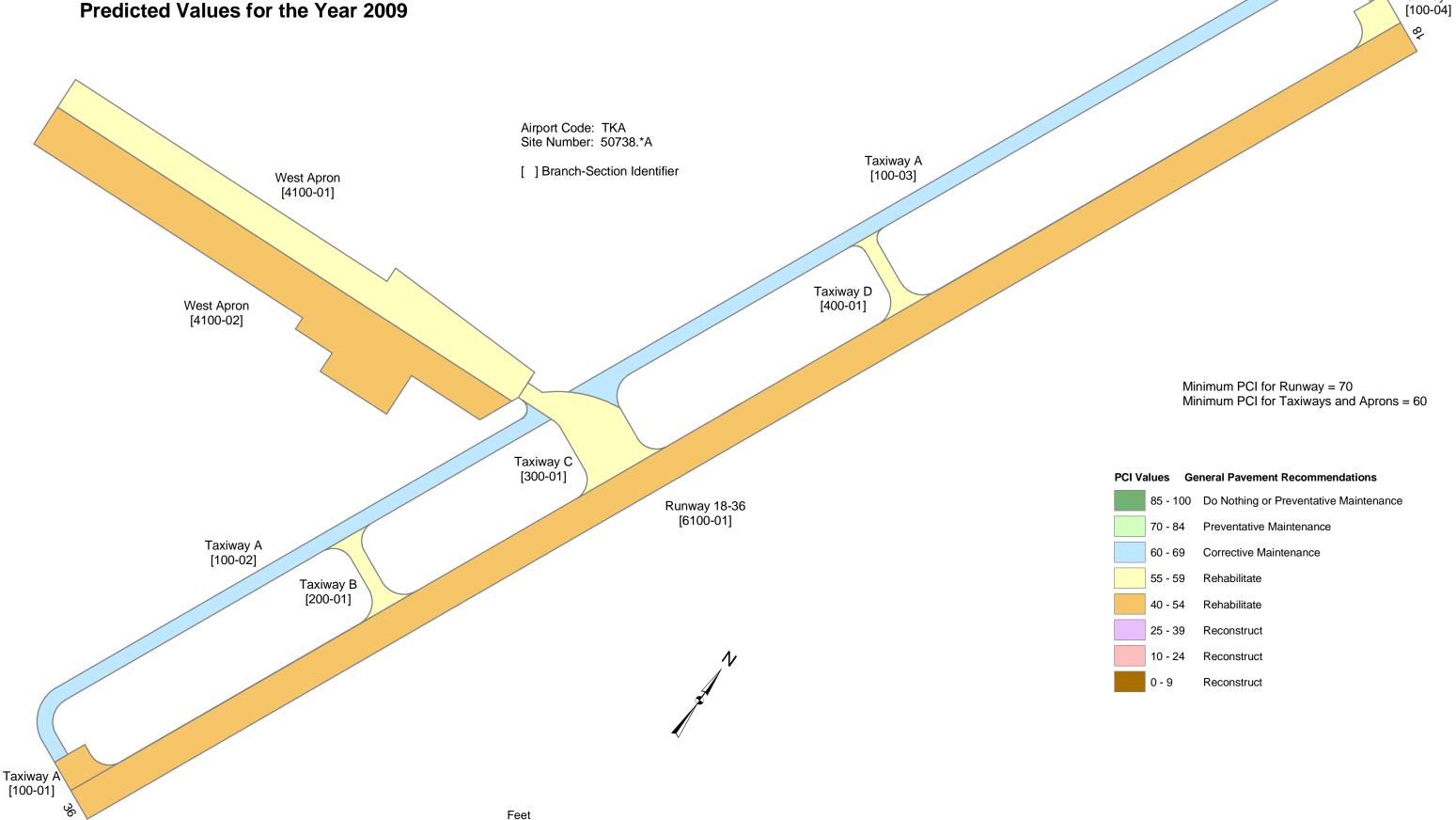


200

Taxiway A

Map Compiled December 2004

Pavement Condition Index (PCI)
Predicted Values for the Year 2009



200

Taxiway A

Map Compiled December 2004



